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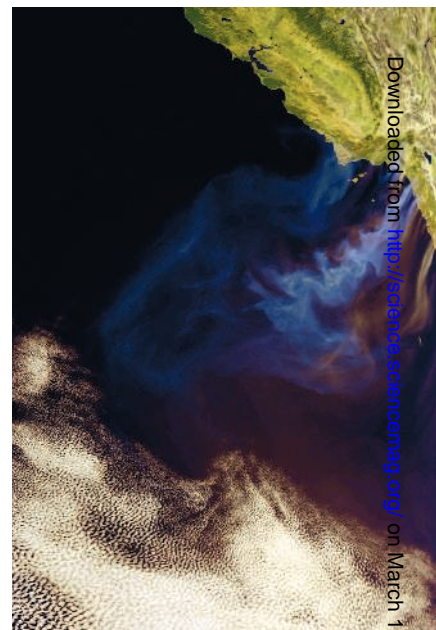
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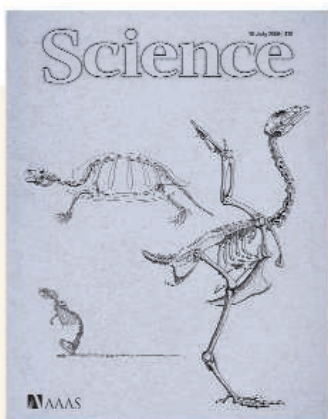


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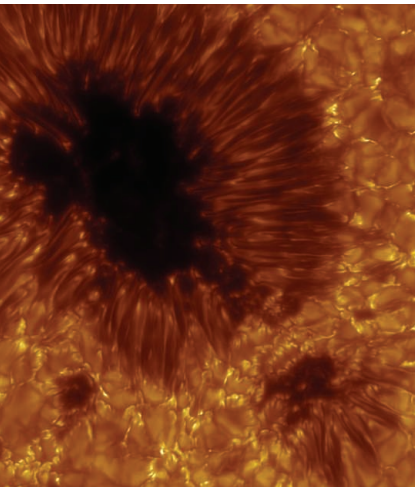
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Skeletons of turtle, chicken, and mouse. The turtle body plan is unusual in that the ribs are transformed into a carapace, and the scapula, situated outside the ribs in other animals, is found inside the carapace. A report on page 193 explains the evolutionary origin of this inside-out skeletal morphology.

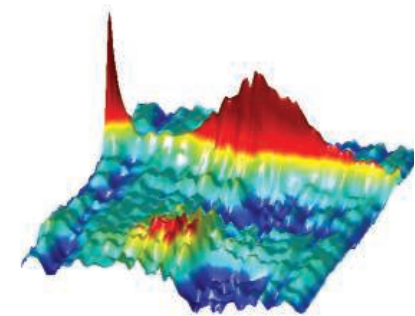
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SCIENCEONLINE

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Pre-Target Axon Sorting Establishes the Neural Map Topography

T. Imai et al.

The mouse olfactory topographic neural map is self-organized by interactions between axons, not directed by the target.
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Mouse embryonic stem cells exist in a high-flux metabolic state comparable to that of rapidly dividing bacteria.
10.1126/science.1173288

Flexible Learning of Multiple Speech Structures in Bilingual Infants

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Comment on "DNA from Pre-Clovis Human Coprolites in Oregon, North America"

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Highlights From Our Daily News Coverage

Social Security Numbers Are Easy to Guess

Numbers can be predicted with public data, triggering fears of identity theft.

New Fossil Primate Challenges 'Missing Link' Ida

Researchers propose that it was Asian, not European or African, primates that gave rise to monkeys, apes, and humans.

Finally, an Average Black Hole

Astronomers may have discovered a black hole that's neither small nor gigantic.

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RESEARCH ARTICLE: Oxygen-Regulated β_2 -Adrenergic Receptor Hydroxylation by EGLN3 and Ubiquitylation by pVHL

L. Xie et al.

Hypoxia reduces proline hydroxylation and ubiquitylation of a G protein-coupled receptor, preventing down-regulation.

PERSPECTIVE: Caspase-8 for Outer Harmony

G. Sollberger and H.-D. Beer

Ablation of caspase-8 in keratinocytes activates proliferative and inflammatory responses in the epidermis.

NETWATCH: The Gene Ontology

This project develops species-independent classifiers for describing gene products; in Bioinformatics Resources.

NETWATCH: Prosite

Identify and explore protein domains; in Protein Databases.

SCIENCECAREERS

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Basic Scientists in the Clinic

B. Vastag

Scientists now have more opportunities to interact with patients.

From Research to the World of Diplomacy

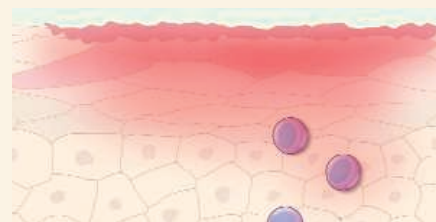
E. Pain

Nicola Sasanelli left electronic engineering in Italy to become a special envoy.

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SCIENCE (ISSN 0036-8075) is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1200 New York Avenue, NW, Washington, DC 20005. Periodicals Mail postage (publication No. 484460) paid at Washington, DC, and additional mailing offices. Copyright © 2009 by the American Association for the Advancement of Science. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership and subscription (51 issues): \$146 (\$74 allocated to subscription). Domestic institutional subscription (51 issues): \$835; Foreign postage extra: Mexico, Caribbean (surface mail) \$55; other countries (air assist delivery) \$85. First class, airmail, student, and emeritus rates on request. Canadian rates with GST available upon request, GST #1254 88122. Publications Mail Agreement Number 1069624. **Printed in the U.S.A.**

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325 (5937)

Science **325** (5937), 125-219.

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